

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P298124

Luminaire Tested: **D3X-WD-40L92765-LD5-UNV-22-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298124
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-40L92765-LD5-UNV-22-T1-W2A-5000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3425.0 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

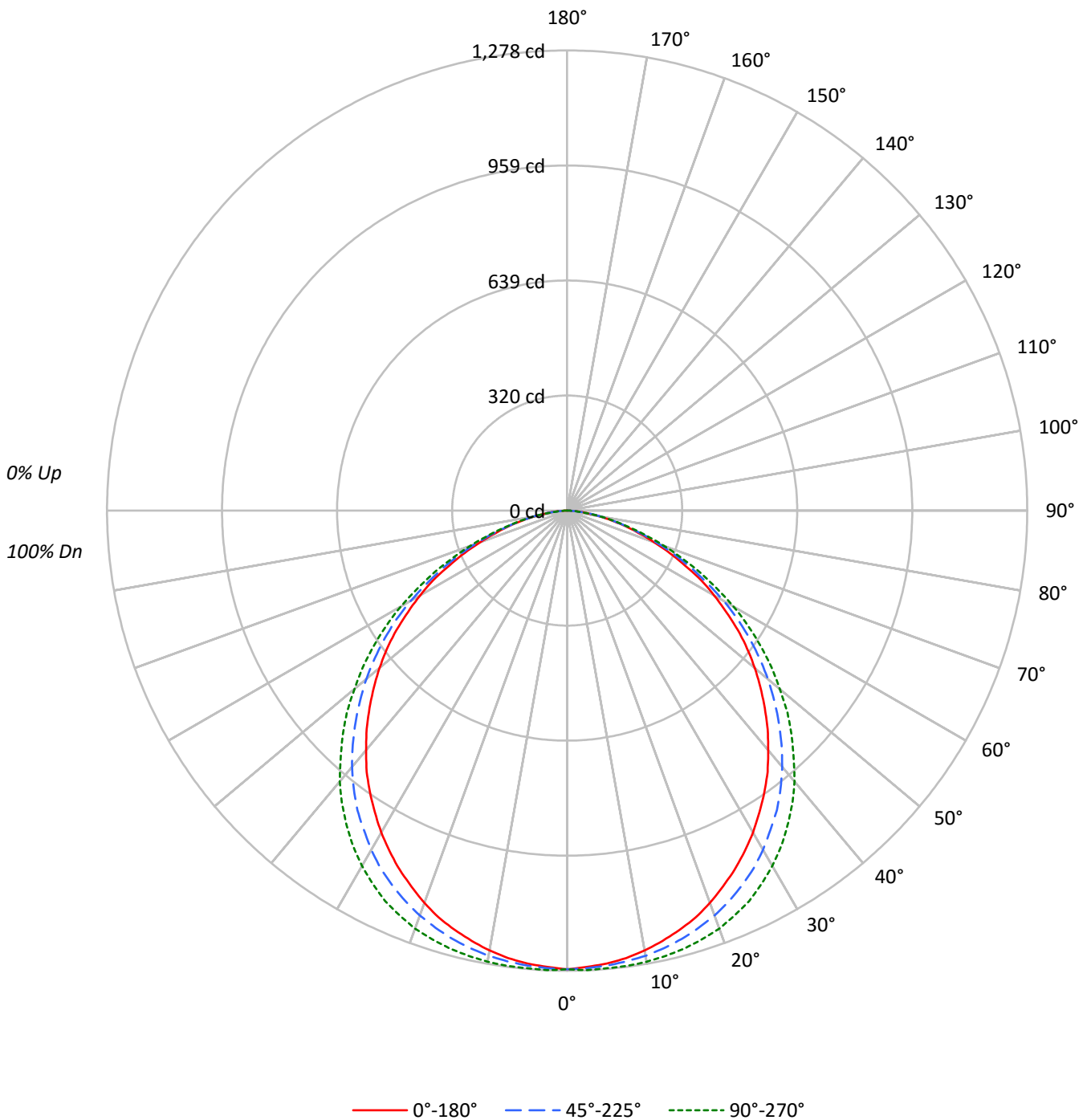
Input Watts (W): 32.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61					61			
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52					52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3428	3428	3428
5°	3411	3426	3446
10°	3390	3431	3476
15°	3359	3431	3508
20°	3321	3426	3537
25°	3268	3410	3553
30°	3208	3380	3540
35°	3137	3337	3506
40°	3050	3264	3452
45°	2954	3164	3354
50°	2848	3049	3226
55°	2716	2898	3079
60°	2540	2699	2877
65°	2301	2442	2594
70°	2031	2132	2249
75°	1745	1783	1859
80°	1399	1429	1457
85°	1025	911	911



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.7	3.5
10°-20°	347.8	10.2
20°-30°	528.9	15.4
30°-40°	632.8	18.5
40°-50°	639.8	18.7
50°-60°	550.6	16.1
60°-70°	380.1	11.1
70°-80°	184.3	5.4
80°-90°	40.0	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	997.4	29.1
0°-40°	1630.3	47.6
0°-60°	2820.6	82.4
0°-90°	3425.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3425.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1274	1274	1274	1274	1274	
5°	1263	1265	1268	1274	1276	120
15°	1206	1213	1232	1250	1259	340
25°	1101	1114	1148	1184	1196	507
35°	955	972	1016	1053	1067	597
45°	776	791	831	866	881	599
55°	579	588	618	645	656	516
65°	361	367	384	400	407	360
75°	168	164	172	177	179	178
85°	33	33	30	30	30	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1273.9	1273.9	1273.9	1273.9	1273.9
2.5°	1268.4	1268.4	1272.1	1275.7	1277.6
5°	1262.8	1264.7	1268.4	1273.9	1275.7
7.5°	1253.6	1255.5	1262.8	1272.1	1275.7
10°	1240.7	1244.4	1255.5	1266.5	1272.1
12.5°	1224.1	1231.5	1244.4	1259.2	1266.5
15°	1205.7	1213.1	1231.5	1249.9	1259.2
17.5°	1185.4	1192.8	1214.9	1238.9	1248.1
20°	1159.6	1170.7	1196.5	1224.1	1235.2
22.5°	1130.1	1144.8	1174.3	1203.8	1216.7
25°	1100.6	1113.5	1148.5	1183.6	1196.5
27.5°	1067.4	1082.2	1120.9	1155.9	1168.8
30°	1032.4	1047.1	1087.7	1126.4	1139.3
32.5°	993.7	1012.1	1050.8	1091.4	1106.1
35°	955.0	971.6	1015.8	1052.7	1067.4
37.5°	914.4	929.2	973.4	1012.1	1026.9
40°	868.3	884.9	929.2	967.9	982.6
42.5°	824.1	840.7	881.2	918.1	931.0
45°	776.1	790.9	831.4	866.5	881.2
47.5°	728.2	744.8	779.8	814.9	829.6
50°	680.3	693.2	728.2	761.4	770.6
52.5°	630.5	641.6	672.9	702.4	715.3
55°	578.9	588.1	617.6	645.2	656.3
57.5°	523.6	534.6	562.3	582.6	595.5
60°	472.0	477.5	501.4	521.7	534.6
62.5°	420.3	422.2	440.6	460.9	468.3
65°	361.3	366.9	383.5	400.1	407.4
67.5°	307.9	313.4	326.3	339.2	344.7
70°	258.1	258.1	271.0	280.2	285.8
72.5°	208.3	210.2	219.4	224.9	230.4
75°	167.8	164.1	171.5	177.0	178.8
77.5°	125.4	123.5	129.0	130.9	134.6
80°	90.3	90.3	92.2	94.0	94.0
82.5°	59.0	59.0	60.8	57.2	55.3
85°	33.2	33.2	29.5	29.5	29.5
87.5°	11.1	11.1	11.1	12.9	11.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)